Volume 49

Author Index

Abuabara, J.Y., see Otte, M.J., 73
Achour, H., see Bchir, A., 149
Adegunloye, B.J., see Osim, E.E., 227
Albertine, K.H., see Vickery, A.C., 45
Alilio, M., see Njunwa, K.J., 87

Bchir, A., Larouze, B., Soltani, M., Hamdi, A., Bouhaouala, H., Ducic, S., Bouden, L., Ganouni, A., Achour, H., Gaudebout, C., Rousset, J.J. and Jemmali, M.
Echtomographic and serological population-based study of hydatidosis in Central Tunisia, 149
Bonnefoy, S., see Mercereau-Puijalon, O., 293
Bouden, L., see Bchir, A., 149
Bouhaouala, H., see Bchir, A., 149
Buddhu, S., Penketh, P.G., Divo, A.A., Shyam, K., Patton, C.L. and Sartorelli, A.C.
Enhancement of the trypanocidal activity of methyltriazenes in an animal model by the addition of an amidino group, 69

Convit, J., se Martinez-Arends, A., 271
Curtis, C.F., see Lyimo, E.O., 157
see Magesa, S.M., 97
see Msuya, F.H.M., 165
see Njunwa, K.J., 87
Cáceres-Dittmar, G., see Martinez-Arends, A., 271

Divo, A.A., see Buddhu, S., 69
Ducic, S., see Bchir, A., 149

Eckersall, P.D., see Ndung'u, J.M., 77
Elrayah, I.E. and Kaminsky, R.
The effect of diminazene aceturate and isometamidium chloride on cultured procyclic forms of susceptible and drug-resistant *Trypanosoma congolense*, 201
Emeribe, A.O., see Osim, E.E., 227
Ezedinachi, E.N.U., see Umotong, A.B., 119

Fandeur, T., see Mercereau-Puijalon, O., 293

Ganouni, A., see Bchir, A., 149
Gaudebout, C., see Bchir, A., 149

Hamdi, A., see Bchir, A., 149
Hill, N., see Magesa, S.M., 97
Hofkin, B.V., Stryker, G.A., Koech, D.K. and Loker, E.S.
Consumption of *Biomphalaria glabrata* egg masses and juveniles by the ampullariid snails *Pila ovata*, *Lanistes carinatus* and *Marisa cornuarietis*, 37
Holmes, P.H., see Sutherland, I.A., 57
Huang, D., see Lun, Z.-R., 233
Huang., Y.-T., see Lun, Z.-R., 233

Jacquemot, C., see Mercereau-Puijalon, O., 281, 293
see Mercereau-Puijalon, O., 293
Jemmali, M., see Bchir, A., 149
Jenni, L., see Schweizer, J., 237
Jennings, F.W., see Ndung'u, J.M., 77

Kamanga-Sollo, E.I.P., Musoke, A.J., Nantulya, V.M., Rurangirwa, F.R. and Masake, R.A.
Differences between N'Dama and Boran cattle in the ability of their peripheral blood leucocytes to bind antibody-coated trypanosomes, 109
Kaminsky, R. and Zweygarth, E.
The effect of verapamil alone and in combination with trypanocides on multidrug-resistant *Trypanosoma brucei brucei*, 215
Kaminsky, R., see Elrayah, I.E., 201
Kivumbi, K., see Njunwa, K.J., 87
Kivuyo, M.D.P., see Magesa, S.M., 97
Koech, D.K., see Hofkin, B.V., 37
see Stryker, G.A., 137
Koella, J.C.
On the use of mathematical models of malaria transmission 1, 1
Kwa, B.H., see Vickery, A.C., 45

Larouze, B., see Bchir, A., 149
Liang, J.-X., see Lun, Z.-R., 233
Lines, J.D., see Lyimo, E.O., 157
see Magesa, S.M., 97
see Njunwa, K.J., 87
Loker, E.S., see Hofkin, B.V., 37
see Stryker, G.A., 137

Luckins, A.G., see Sutherland, D.V., 193
Lun, Z.-R., Min, Z.-P., Huang, D., Liang, J.-X., Yang, X.-F. and Huang, Y.-T.
Cymelarsan in the treatment of buffaloes naturally infected with *Trypanosoma evansi* in South China, 233
Lyimo, E.O., Msuya, F.H.M., Rwegoshora, R.T., Nicholson, E.A., Mnzava, A.E.P., Lines, J.D. and Curtis, C.F.
Trials of pyrethroid impregnated bednets in an area of Tanzania holoendemic for malaria. Part 3. Effects on the prevalence of malaria parasitaemia and fever, 157

Magesa, S.M., Wilkes, T.J., Mnzava, A.E.P., Njunwa, K.J., Myamba, J., Kivuyo, M.D.P., Hill, N., Lines, J.D. and Curtis, C.F.
Trial of pyrethroid impregnated bednets in an area of Tanzania holoendemic for malaria. Part 2. Effects on the malaria vector population, 97
Magesa, S.M., see Njunwa, K.J., 87
Martinez-Arends, A., Tapia, F.J., Cáceres-Dittmar, G., Mosca, W., Valecillos, L. and Convit, J.
Immunocytochemical characterization of immune cells in lesions of American cutaneous leishmanisis using novel T cell mrkers, 271
Masake, R.A., see Kamanga-Sollo, E.I.P., 109
Mathieu-Daudé, F., see Truc, P., 127
Mbwabi, E.R.M., see Olubayo, R.O., 173
McGuire, T.C., see Mwamachi, D.M., 27
Mercereau-Puijalon, O., Fandeur, T., Bonnefoy, S., Jacquemot, C. and Sarthou, J.-L.
A study of the genomic diversity of *Plasmodium falciparum* in Senegal. 2. Typing by the use of the polymerase chain reaction, 293
Mercereau-Puijalon, O., Jacquemot, C. and Sarthou, J.-L.
A study of the genomic diversity of Plasmodium falciparum in Senegal. 1. Typing by Southern blot analysis, 281
Mihok, S., Olubayo, R.O. and Wesonga, D.F.
Infection rates in *Glossina morsitans* morsitans fed on waterbuck and Boran cattle infected with *Trypanosoma congolense*, 185
Mihok, S., see Olubayo, R.O., 173
Min, Z.-P., see Lun, Z.-R., 233
Miyamoto, K., Nakao, M., Sato, N. and Mori, M.
Isolation of Lyme disease spirochetes from an ixodid tick in Hokkaido, Japan, 65
Mnzava, A.E.P., see Lyimo, E.O., 157
see Magesa, S.M., 97
see Njunwa, K.J., 87
Moloo, S.K., see Sutherland, I.A., 57
Mori, M., see Miyamoto, K., 65
Mosca, W., see Martinez-Arends, A., 271
Msuya, F.H.M. and Curtis, C.F.
Trial of pyrethroid impregnated bednets in an area of Tanzania holoendemic for malaria. Part 4. Effects on incidence of malaria infection, 165
Msuya, F.H.M., see Lyimo, E.O., 157
Musoke, A.J., see Kamanga-Sollo, E.I.P., 109
see Mwamachi, D.M., 27
Mwamachi, D.M., Rurangirwa, F.R., Musoke, A.J. and McGuire, T.C.
Clone-specific immune colostrum induces increased resistance in goat kids challenged with *Trypanosoma congolense*, 27
Myamba, J., see Magesa, S.M., 97

Nakao, M., see Miyamoto, K., 65
Nantulya, V.M., see Kamanga-Sollo, E.I.P., 109
Nyar, J.K., see Vickery, A.C., 45
Ndung'u, J.M., Eckersall, P.D. and Jennings, F.W.
Elevation of the concentration of acute phase proteins in dogs infected with *Trypanosoma brucei*, 77
Nicholson, E.A., see Lyimo, E.O., 157
Njunwa, K.J., Lines, J.D., Magesa, S.M., Mnzava, A.E.P., Wilkes, T.J., Alilio, M., Kivumbi, K. and Curtis, C.F.
Trial of pyrethroid treated bednets in an area of Tanzania holoendemic for malaria. Part 1. Operational methods and acceptability, 87
Njunwa, K.J., see Magesa, S.M., 97

Okerengwo, A.A., see Umotong, A.B., 119
Olubayo, R.O., Mihok, S., Wesonga, D.F. and Mbwabi, E.R.M.
Pathogenicity of tsetse-transmitted *Trypanosoma congolense* for waterbuck (*Kobus defassa*) and Boran cattle (*Bos indicus*), 173
Olubayo, R.O., see Mihok, S., 185
Osim, E.E., Adegunloye, B.J. and Emeribe, A.O.
In vivo platelet aggregation in acute malaria, 227
Otte, M.J. and Abuabara, J.Y.
Transmision of South American *Trypanosoma vivax* by the neotropical horse fly *Tabanus nebulosis*, 73

Patton, C.L., see Buddhu, S., 69
Penketh, P.G., see Buddhu, S., 69
Peregrine, A.S., see Sutherland, I.A., 57
Pinder, M.

The improvement of maintenance conditions for wild-caught *Chrysops silacea* and the production of infective larvae of *Loa Loa*, 305
Pospichal, H., see Schweizer, J., 237

Ross, C.A., see Sutherland, D.V., 193
Rousset, J.J., see Bchir, A., 149
Rurangirwa, F.R., see Kamanga-Sollo, E.I.P., 109
see Mwamachi, D.M., 27
Rwegoshora, R.T., see Lyimo, E.O., 157

Sarthou, J.-L., see Mercereau-Puijalon, O., 281
see Mercereau-Puijalon, O., 293
Sartorelli, A.C., see Buddhu, S., 69
Sato, N., see Miyamoto, K., 65
Schweizer, J., Pospichal, H. and Jenni, L.
Hybrid formation between African trypanosomes in vitro, 237
Shyam, K., see Buddhu, S., 69
Soltani, M., see Bchir, A., 149
Stryker, G.A., Koech, D.K. and Loker, E.S.
Growth of *Biomphalaria glabrata* populations in the presence of the ampullariid snails *Pila ovata*, *Lanistes carinatus* and *Marisa cornuarietis*, 137
Stryker, G.A., see Hofkin, B.V., 37
Sutherland, D.V., Ross, C.A. and Luckins, A.G.
Trypanosoma congolense: Re-expression of a deleted metacyclic variable antigen type in vivo and in vitro, 193
Sutherland, I.A., Moloo, S.K., Holmes, P.H. and Peregrine, A.S.
Therapeutic and prophylactic activity of isometamidium chloride against a tsetse-transmitted drug-resistant clone of *Trypanosoma congolense* in Boran cattle, 57

Tapia, F.J., see Martinez-Arends, A., 271
Tibayrenc, M., see Truc, P., 127
Truc, P., Mathieu-Daudé, F. and Tibayrenc, M.
Multilocus isozyme identification of *Trypanosoma brucei* stocks isolated in Central Africa: evidence for an animal reservoir of sleeping sickness in Congo, 127

Udo, J.J., see Umotong, .B., 119
Umotong, A.B., Ezedinachi, E.N.U., Okerengwo, A.A., Usanga, E.A., Udo, J.J. and Williams, A.I.O.
Correlation between in vivo and in vitro response of chloroquine-resistant *Plasmodium falciparum* in Calabar, South-Eastern Nigeria, 119
Usanga, E.A., see Umotong, A.B., 119

Valecillos, L., see Martinez-Arends, A., 271
Vickery, A.C., Albertine, K.H., Nayar, J.K. and Kwa, B.H.
Histopathology of *Brugia malayi*-infected nude mice after immune-reconstitution, 45
Wesonga, D.F., see Mihok, S., 185
see Olubayo, R.O., 173
Wilkes, T.J., see Magesa, S.M., 97
see Njunwa, K.J., 87
Williams, A.I.O., see Umotong, A.B., 119
Woolhouse, M.E.J.
On the application of mathematical models of schistosome transmission dynamics. I. Natural transmission, 241

Yang, X.-F., see Lun, Z.-R., 233

Zweygarth, E., see Kaminsky, R., 215

Volume 49

Key Word Index

Acute phase proteins, 77
Allelic polymorphism, 293
Ampullariid snails, 37, 137
Anaemia, 173
Anopheles rivulorum, 97
Anopheles gambiae, 97
Anopheles funestus, 97
Apodemus speciosus ainu, 65
Avidin-biotin-immunoperoxidase, 271

Bednets, impregnated, 87, 97, 157, 165
Berenil, 233
Bioassays, 87
Biological control, 37, 137
Borrelia burgdorferi, 65
Bos taurus, 109
Bos indicus, 109
Brugia malayi, 45
Buffalo, 233

C-reactive protein, 77
Cattle, 173, 185
Chancres, 193
Chemotherapy, 57, 77, 233
Chloroquine, 119
Chrysops, 305
Culex quinquefasciatus, 97
Cultivation, in vitro, 215
Cymelarsan, 233

DDT spraying, 87, 165
Diminazene accurate, 201
Dogs, 77
Drug resistance, 57, 215
Drug resistance, in vitro, 201

Epidemiology, 127, 149, 271

Filariasis, 45

Gabon, West Africa, 305
Genetic interpretation, 127
Glossina morsitans centralis, 57
Glossina morsitans morsitans, 173, 185
Goats, 27
Granulomas, 271

yHaptoglobin, 77
Hokkaido, 65
Hybrid formation, in vitro, 237
Hydatidosis, 149

Immune response, 109
Immunology, 173
Increased resistance, 27
Isoenzyme analysis, 237
Isometamidium chloride, 57, 201
Ixodes persulcatus, 65

Kobus defassa, 185

Lambdacyhalothrin, 87
Leishamiasis, 271
Light traps, 97
Loa loa, 305
Locus, 11.1, 281
Lymphatics, 45

Malaria in Senegal, 281
Malaria incidence, 165
Malaria morbidity, 157
Malaria resistance, 119
Malaria vaccine, 1, 293
Malaria, 227
Mathematical models, 1, 271
Merozoite surface antigens, 293
Metacyclic variable antigen types (M-VATs), 193
Methylation, 69
Methylktriazenes, 69

Neutralisation, 193
Nude mice, 45

Ovarian dilatations, 97

Parasitaemia, 173
Passive immunity, 27
Permethrin, 87
Plasmodium falciparum, 157, 165, 293, 281
Plasmodium falciparum, Chloroquine resistant, 119
Platelet aggregation, 227

Polymerase chain reaction, 293
Pyrimethamine-sulfadoxine, 165

Reconstitution, 45
Restriction site polymorphism, 281
Rodent, 65

Schistosome, 241
Schistosomiasis, 37, 137
Slide positivity rate, 157
Snail control, 37, 137
South America, 73
Sporozoite inoculation rate, 97
Strain characterization, 127
Tabanidae, 305
Tabanids, 73
T cell phenotypes, 271
Tick, 65
Transmission dynamics, 241
Transmission, 1
Trematode, 37, 137
Trypanocide, 69
Trypanosoma brucei, 77, 127
Trypanosoma (T.) brucei, 237
Trypanosoma brucei brucei, 215
Trypanosoma congolense, 27, 57, 185, 193, 201
Trypanosoma evansi, 233
Trypanosoma vivax, 73
Trypanosomiasis, 27
Trypanotolerance, 109
Tunisia, 149

Vaccine, 1
Variable antigens, 109
Verapamil, 215

Waterbuck (*Kobus defassa*), 173

Xenodiagnosis, 185